K-ARRAY
Unique Audio Solutions

Prisma-KPRA34+
Digital processing platform with IEB-Pro
(8x8 Dante channels, optional activation)
4 x 750W @ 4Ω

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Description

Introducing the Prisma-KPRA34+: a state-of-the-art audio amplified matrix solution powered by the Integrated Electronic Brain-Pro, a cutting-edge new processor integral to K-array electronics. This innovation is now embedded the Prisma-KPR series and the K-PRA34+ amplified processing platform is an unparalleled example.

The Prisma-KPRA34+ features 4ch x 750W @4Ω of pure power, but what sets it apart is its ability to integrate two dedicated connections with network ports. This unique feature enables support for 8x8 Dante channels, providing an extended level of connectivity and control.

With the optional accessory K-PRIN4, Prisma-KPRA34+ is expandable with 8x analog inputs channels, adding further possibilities to the range of audio applications. This advanced configuration allows even more sophisticated control and powerful signal distribution through dedicated routing and matrices capability. Here, the robust power of the Kommander series seamlessly integrates with the versatility and modularity of the Prisma line. This union delivers dedicated amplification channels and routing capabilities to a diverse range of applications across sectors, from hospitality to residential to corporate environments.

The Prisma-KPRA34+ is equipped with the internal DSP and matrix functions that is easily accessible and controlled by our dedicated Web-app, mobile apps and desktop software, providing a complete and reliable solutions.

- 2U rack-compatible
- 4ch x 750W @4Ω
- Integrated Electronic Brain PRO (IEB - Pro) with osKar custom operating system running on quad core 1.6 GHz internal processor.
- Equipped with Dante-Ready ™ for activation of Dante ™ license and supporting up to 64 Dante channels (8x8).
- DSP onboard with:
- Grouping,
- Equalization, Limiters, Routing, Level,
- Loudspeaker presets
- Integrated Electronic Brain-Pro (IEB - Pro) with osKar custom operating system running on quad core 1.6 GHz internal processor.
- Digital channel count (IEB-Pro 8x8), connection and signal redundancy
- Dedicated K-PRIN4 accessory boards.
- REST API for easy integration with third-party remote control systems.
- Web App access to the DSP features.
- K-Control customizable dashboard and app for smart control and integration with the K-array ecosystem.

All the Prisma–KPRA34+ components are designed by the K-array R&D department and are custom made under the K-array quality control system in Italy.

Prisma-KPRA34+
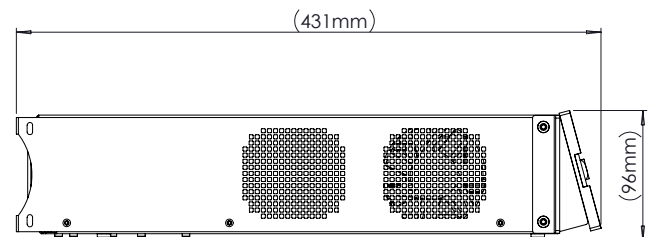
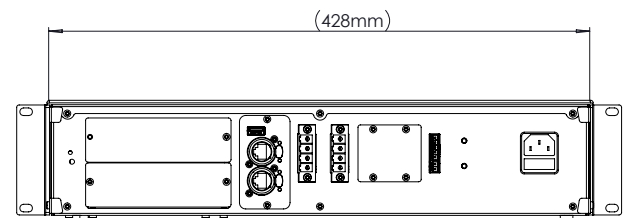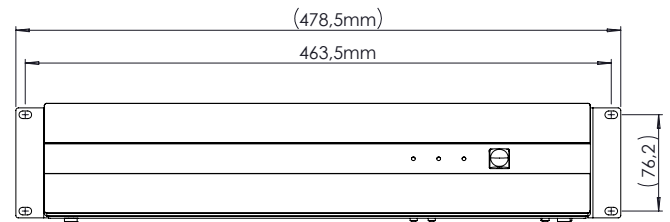## Technical Specifications

Type	Amplified matrix with IEB-Pro (8x8 Dante Ch, payment-enabled) - 4ch power outputs
Amp Module	4ch switching mode, Class D Amplifier
Input Impedance	(balanced) 4 kΩ
Input Sensitivity	0dBV @0dB gain
Gain Step	0dB / +16dB / +32dB / +48dB
Max Input Gain	+20dBV @0dB
Phantom power	Yes, +48V DC selectable on each individual channel via Dip Switch
ADC	Yes, Sampling Rate 48KHz
Output Frequency Response	20-20KHz ± 1dB
Output THD	0,1 %
Output Impedance	Minimum 4 Ω
Output Power	4x 150W @ 4Ω
Connections	Input: 8x BAL input: IC 2 5/ 3-ST-5 08 5.08mm - with KPRIN4 TOSLINK optical input, Output: 2x PC 4/ 4-ST-7,62 speaker output Digital: Dante channel count 8x8 - (enabled with Dante Ready), 2x RJ45 Ethernet 1.Gbit - primary, secondary 1x USB-A 2.0
Processor	iMX8 running on Quad. core 1.6 GHz with IEB-Pro osKar Operating System
Built-in DSP	Grouping, Equalization, Limiters, Routing, Level, Loudspeaker presets
Remote control	K-control Web-App built-in interface Third party remote control system
MAINS Operating Range	Dedicated AC/DC power adapter 100-240V ~ AC, 50-60 Hz input / 24 V, 4 A DC output
Power Consumption	20 W @ 4 Ω load, 1/8 Rated Power (Pink Noise)
Protections	Thermal protection, output short circuit, RMS output current protection, high frequency protection, power limiter, clip limiter.

Handling & Finishes

IP rating	IP20
Dimensions	1U Rack - 219 x 46 x 170 mm (8.6 x 1.8 x 6.7 in)
Material	Aluminum
Color	Black
Weight	0,7 kg

Accessories

K-PRIN4	Input/Preamp Expansion Card for Prisma-KPRA with 4 balanced analog inputs, individual input Gain trimmers and +48V Phantom power

Notes:
Passive loudspeakers require dedicated presets loaded onboard K-array amplifiers.
New materials and designs are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this catalog.

PRISMA-KPRA34+